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**From:** Drinkard, Andrea [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=808A6B7B65BF447F93DAD2F510FEAF61-ADRINKAR]  
**Sent:** 12/19/2018 9:54:47 PM  
**To:** Goodin, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3eac342f280a4b9db4079c81f66d1913-JGoodin]  
**CC:** Dennis, Allison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9bf7959058b241fab18e564e9c957b56-ADennis]  
**Subject:** Re: OR 303(d) OA rationale

Yes, Allison will send you something tomorrow. The region is redrafting.

On Dec 19, 2018, at 4:49 PM, Goodin, John <[Goodin.John@epa.gov](mailto:Goodin.John@epa.gov)> wrote:

Looping in Allison (welcome back!)

Sent from my iPhone

Begin forwarded message:

**From:** "Goodin, John" <[Goodin.John@epa.gov](mailto:Goodin.John@epa.gov)>  
**Date:** December 19, 2018 at 6:04:40 AM EST  
**To:** "Havard, James" <[Havard.James@epa.gov](mailto:Havard.James@epa.gov)>  
**Cc:** "Wall, Tom" <[Wall.Tom@epa.gov](mailto:Wall.Tom@epa.gov)>, "Hunter, Christopher" <[Hunter.Christopher@epa.gov](mailto:Hunter.Christopher@epa.gov)>, "Monschein, Eric" <[Monschein.Eric@epa.gov](mailto:Monschein.Eric@epa.gov)>  
**Subject:** Re: OR 303(d) OA rationale

Thanks, Jim et al.

Andrea— copying you to confirm Fotouhi signed off. Let me know if you still want us to take a quick look at any proposed TPs, etc.

Thanks  
John

Sent from my iPhone

On Dec 18, 2018, at 5:54 PM, Havard, James <[Havard.James@epa.gov](mailto:Havard.James@epa.gov)> wrote:

John,  
We have worked with R10 and OGC to finalize the Oregon 2012 303(d) list package and we received the final suggested edits from OGC this afternoon. We specifically sought David F's review of the OA-related sections of the decision documents and received his edits and approval this afternoon.

Last week, you had asked us to send you the final rationale for the decision not to list Oregon coastal waters for biological impairments related to ocean acidification, which is included below. The Region is hoping to finalize this action and send the final package of materials to ODEQ by Thursday. If you or Anna have any additional questions, please contact me or Chris Hunter at 566-1454. (Thanks to Chris H for already

having this note ready when I got off the phone with you this afternoon!)

“The EPA also is approving Oregon’s decision not to list marine waters with respect to aquatic life impairments because there are no direct scientific observations of biological degradation within Oregon state waters. On March 29, 2017, ODEQ provided comments and its rationale for why it determined that the existing data and information do not support listing Oregon’s jurisdictional ocean waters at this time. See 40 CFR §130.7(b)(6)(iii), (iv). The EPA reviewed ODEQ’s rationale and determined that it was reasonable for the State not to list its marine waters for aquatic life use impairment at this time for the following reasons. Although several studies document a correlation between the dissolution of pteropod shells and corresponding aragonite saturation state, the EPA acknowledges that the current *in situ* data indicating biological impairment to pteropods is from outside of Oregon’s state waters. The State noted that without data about the health of the extant aquatic life within Oregon’s waters, it was unable to conclude that there have been detrimental changes to the resident biological communities. It is reasonable for Oregon to await in-state data to confirm to its satisfaction that there are not environmental differences between state and federal waters that may affect the health of the resident biological communities. EPA has determined that, on that basis, it is reasonable for the State to decline to list its marine waters at this time. As water chemistry data taken inside Oregon’s state waters document similar conditions that have been observed to be corrosive to pteropods outside state waters, EPA continues to recommend that Oregon’s future research efforts in state marine waters include the collection of pteropod data to further understand current water quality conditions and aquatic life impacts within Oregon’s territorial waters.”